

For the triangle with vertices  $G(4, -2)$ ,  $H(1, 3)$ , and  $I(7, 5)$ , find the coordinates of the centroid.  $(4, 2)$

For the triangle with vertices  $A(0, 7)$ ,  $B(0, -1)$ , and  $C(-6, 5)$ , find the coordinates of the circumcenter.  $(-2, 3)$

For the triangle with vertices  $D(3, 7)$ ,  $E(5, 1)$ ,  $F(-1, 4)$ , find the coordinates of the orthocenter.  $(2, 5)$